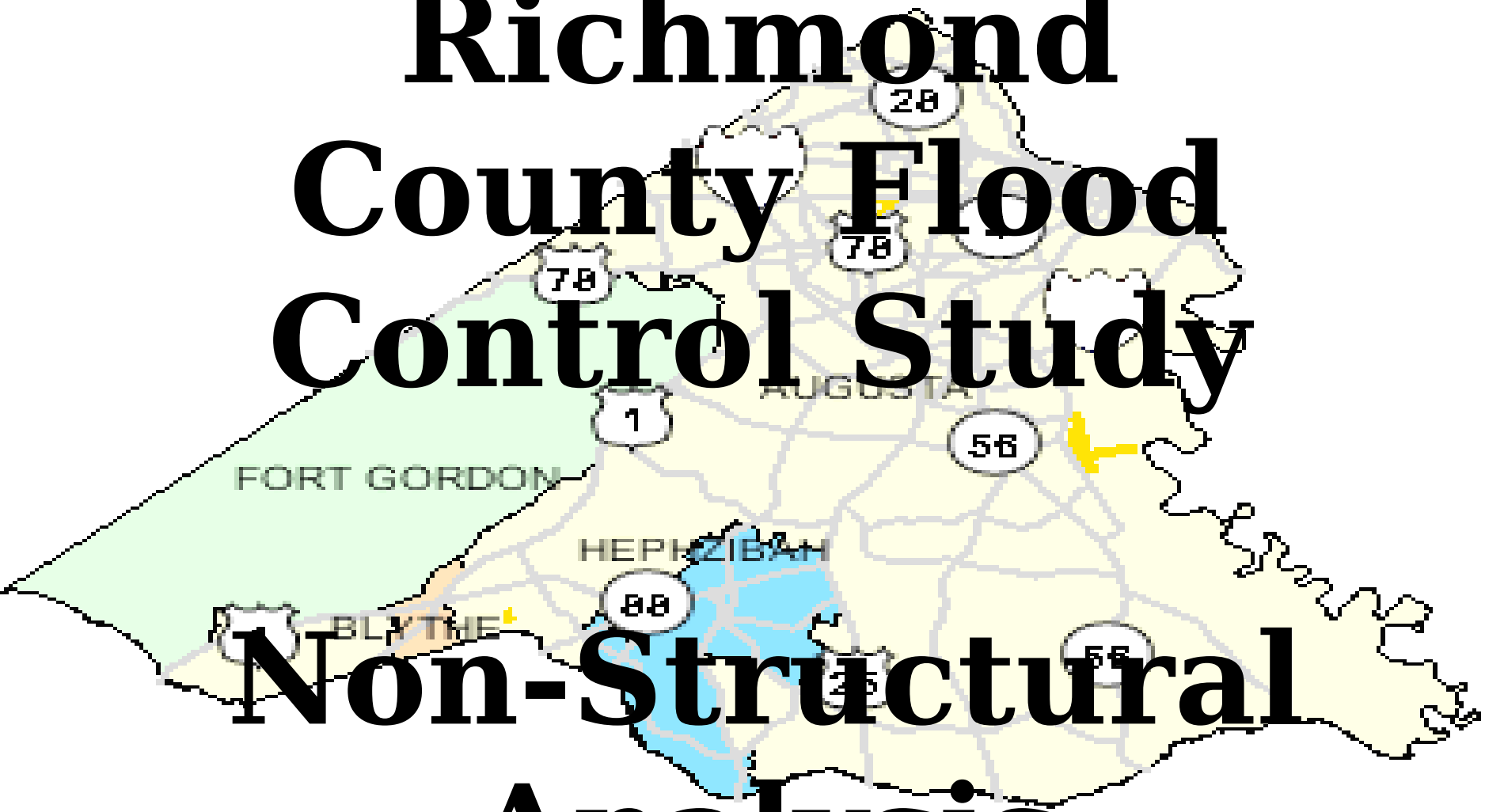
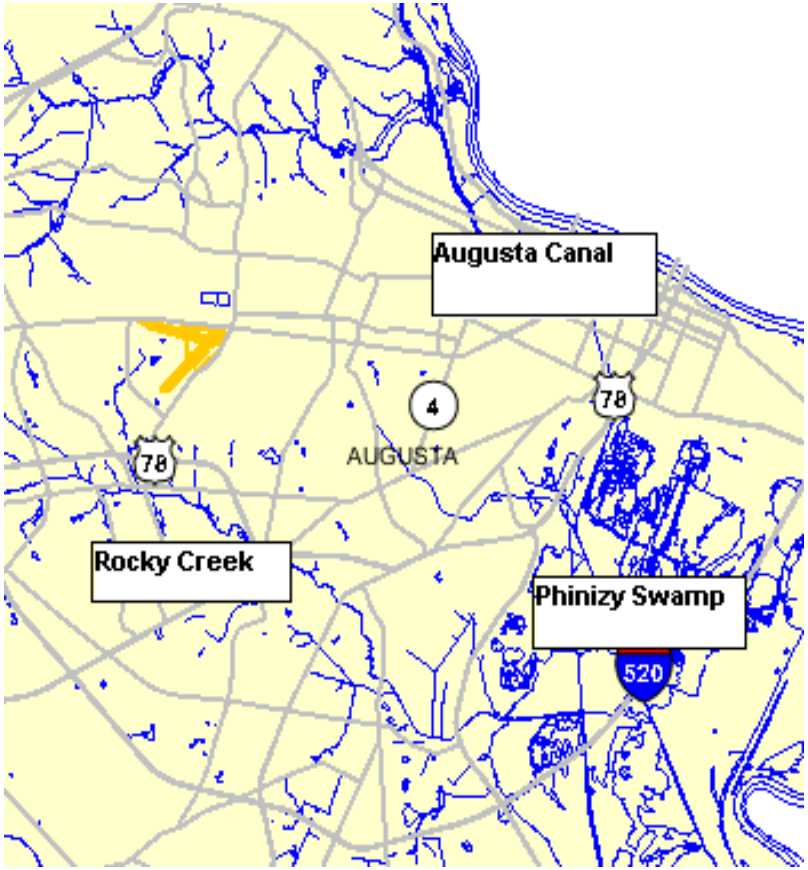
Augusta – Richmond County Flood Control Study



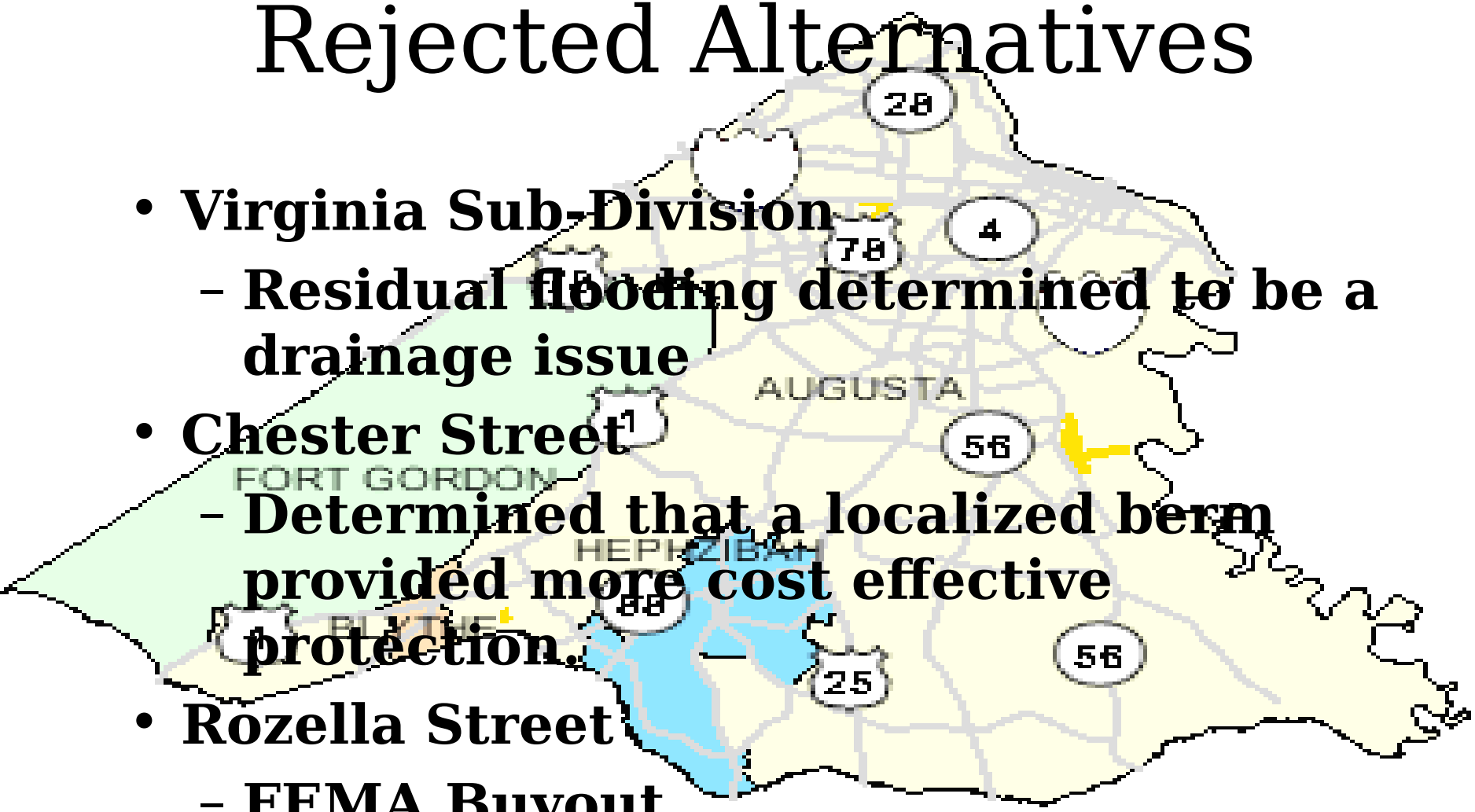
Non-Structural Analysis

Placement of Various Basins in the Augusta Flood Control Study



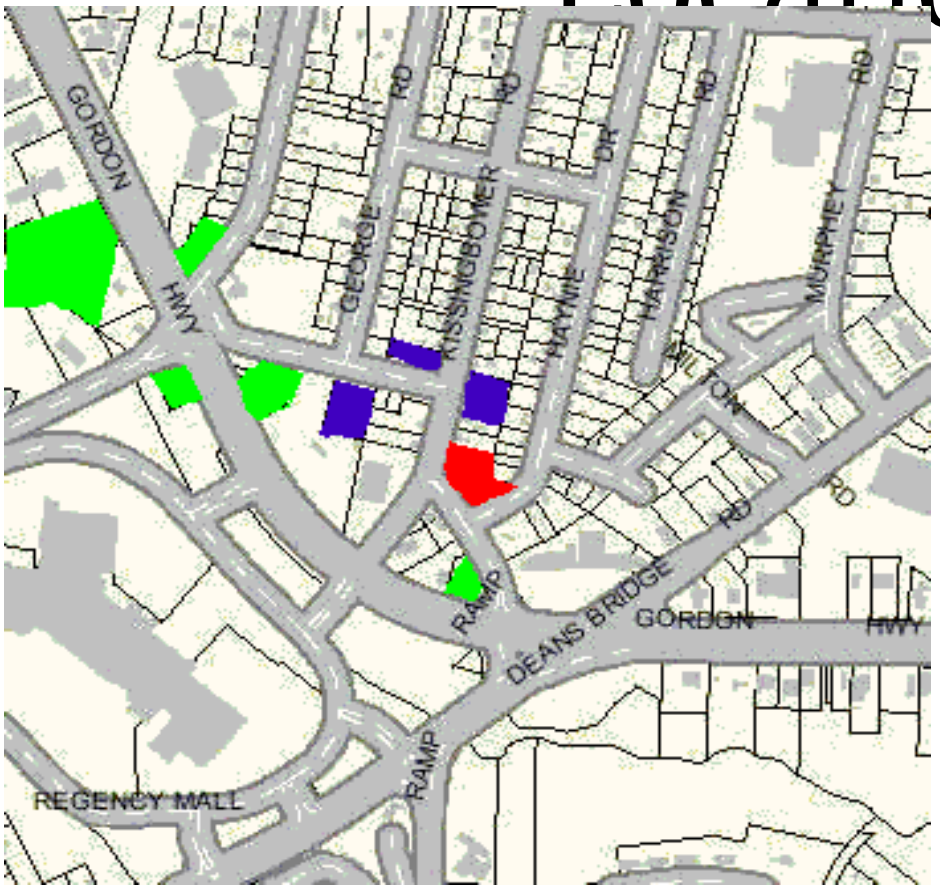
- Three Basins – Rocky Creek, Augusta Canal and Phinizy Swamp
- Phinizy Swamp – few structures
- Augusta Canal – generally populated by historic, municipal or commercial structures
- Rocky Creek – 950 structures, five potential sights

Rejected Alternatives



- **Virginia Sub-Division**
  - **Residual flooding determined to be a drainage issue**
- **Chester Street**
  - **Determined that a localized berm provided more cost effective protection.**
- **Rozella Street**
  - **FEMA Buyout**

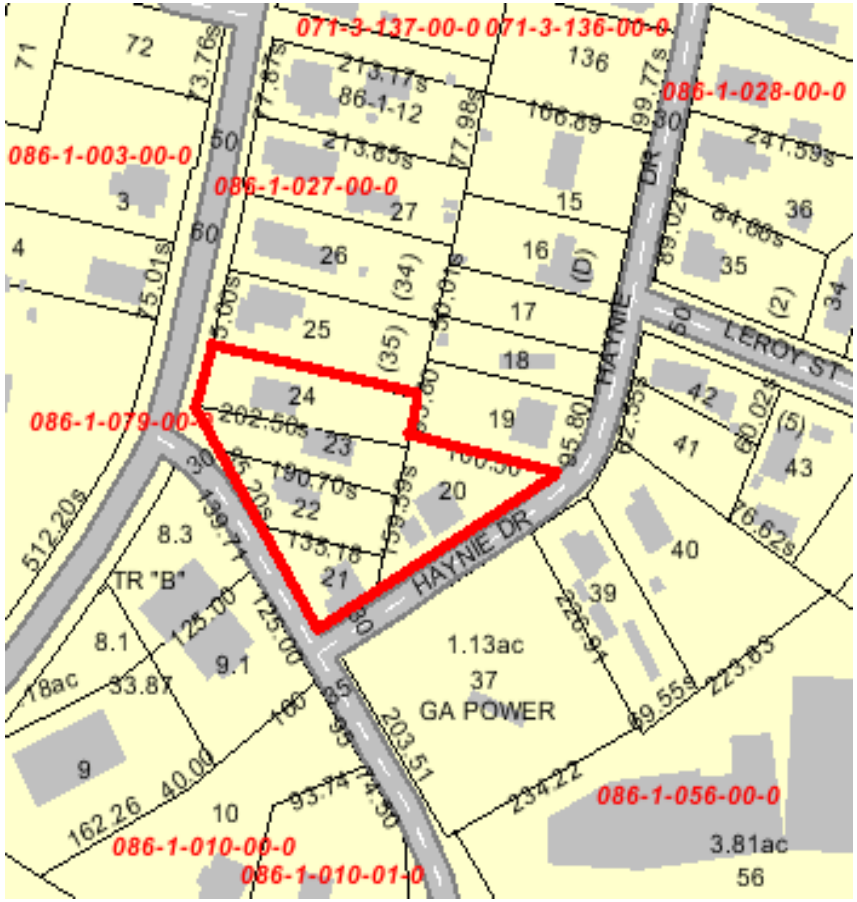
Kissingbower Regency Mall Non-structural Location



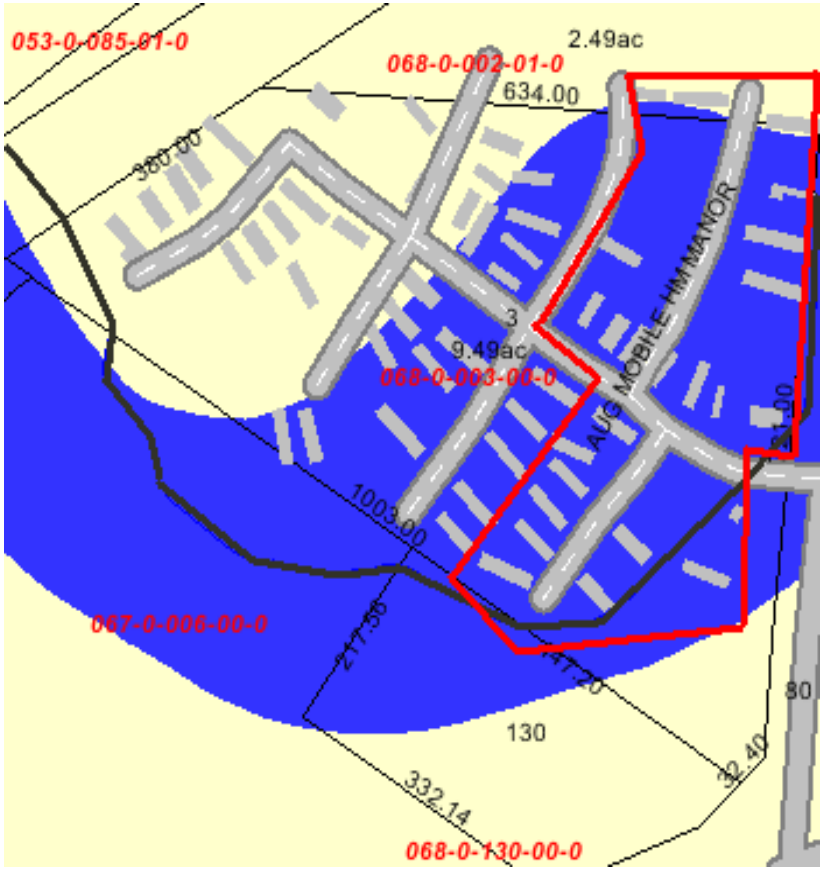
Commercial and Residential Structures

- **Three major categories of non-structural**
  - **Floodproofing**
  - **Evacuation**
  - **Elevation**

Kissingbower Recreation Park Site



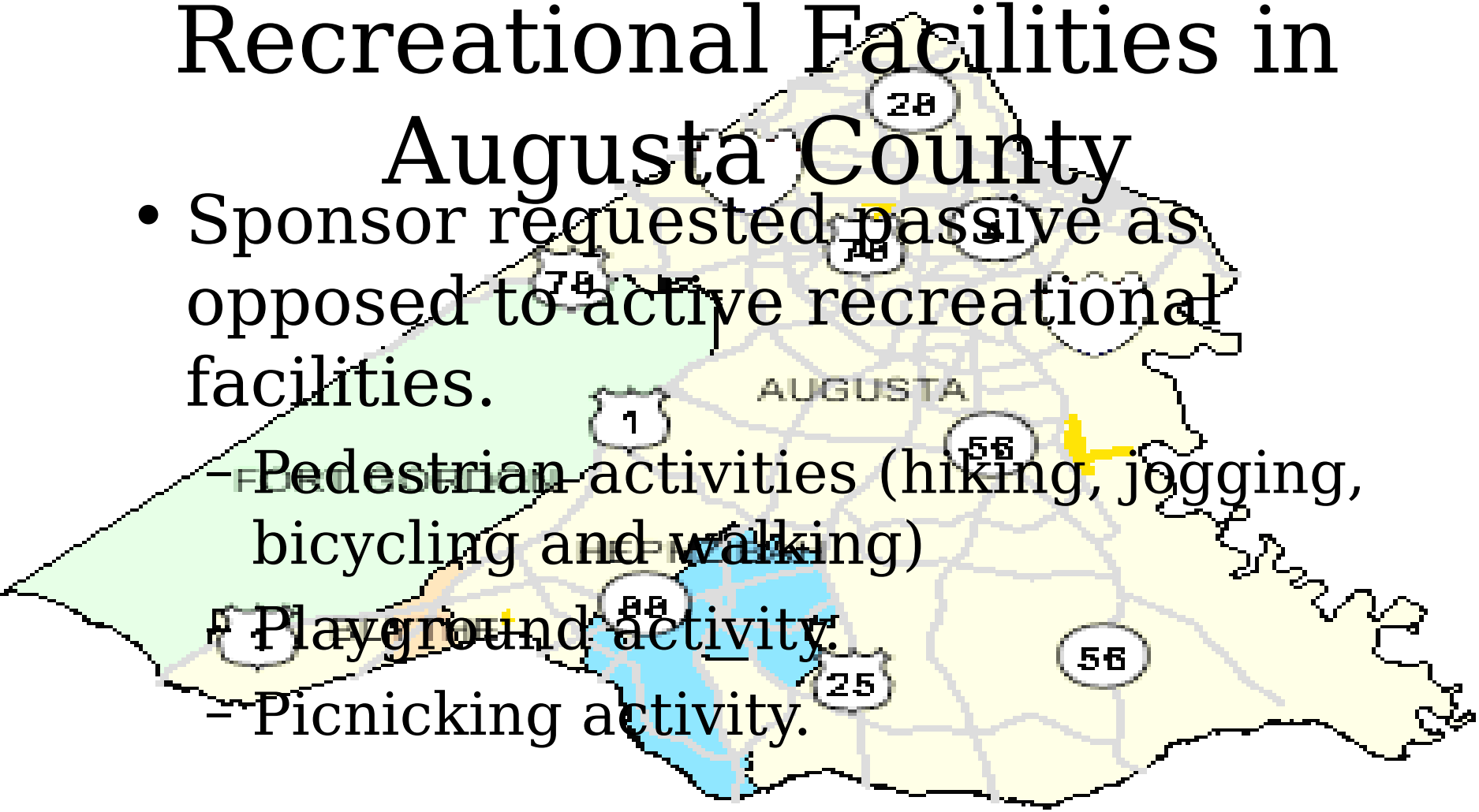
Barton Chapel Recreation Park



- Multi-unit manufactured housing community
- Mostly rental properties.
- Infeasible to elevate, relocate or waterproof structures.
- Significant impact at 10year event

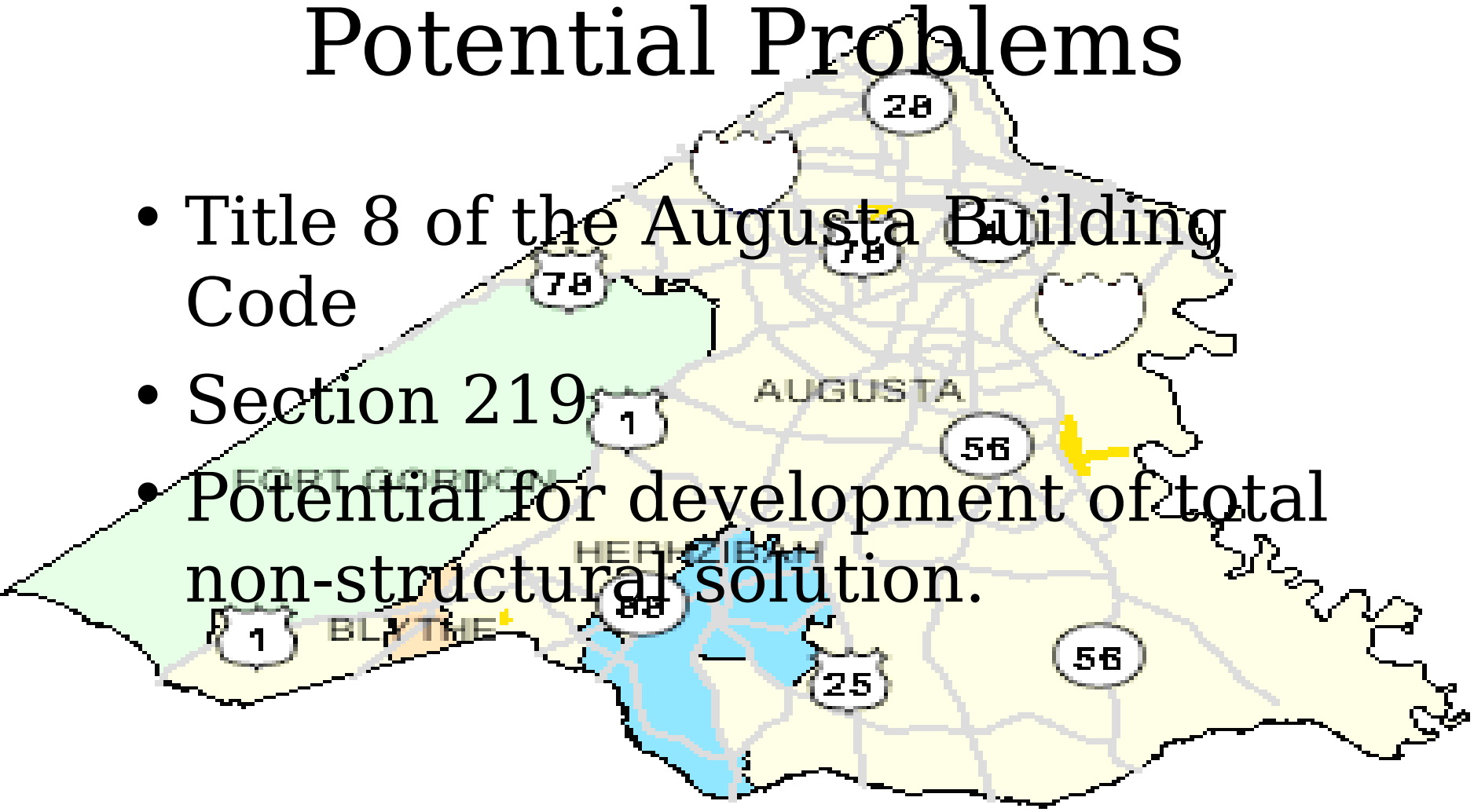
Unmet Demand for Recreational Facilities in Augusta County

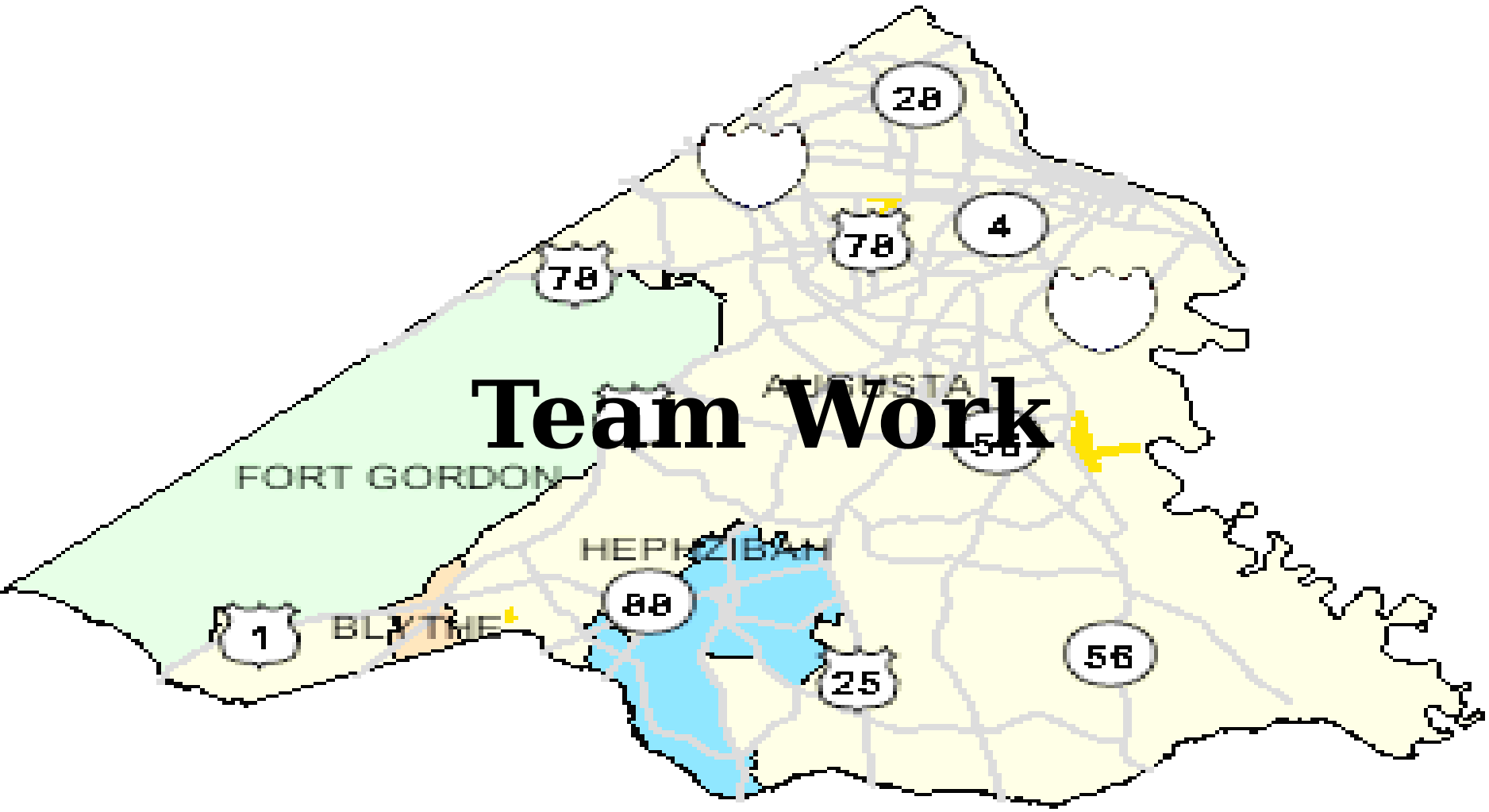
- Sponsor requested passive as opposed to active recreational facilities.
  - Pedestrian activities (hiking, jogging, bicycling and walking)
  - Playground activity.
  - Picnicking activity.



Potential Problems

- Title 8 of the Augusta Building Code
- Section 219
- Potential for development of total non-structural solution.





Team Work